

## CLAIMS:

1. A metal-halide lamp comprising a discharge vessel (3) with a ceramic wall,  
the discharge vessel enclosing a discharge space (11) which contains an  
ionizable filling,  
which filling, in addition to Hg, contains a quantity of halide of Na, Ca and Tl,  
5 characterized in that  
the ionizable filling comprises  $\text{CaI}_2$  in a molar quantity which lies between 20  
and 50% of the total molar quantity of the halides.
2. A metal-halide lamp as claimed in claim 1, characterized in that the molar  
10 quantity of  $\text{CaI}_2$  lies between 25 and 35% of the total molar quantity of the halides.
3. A lamp as claimed in claim 1 or 2, characterized in that the discharge vessel  
contains an oxygen dispenser.
- 15 4. A lamp as claimed in claim 3, characterized in that the oxygen dispenser  
contains  $\text{CaO}$ .